

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/051313 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number:
PCT/US2004/039333
- (22) International Filing Date:
19 November 2004 (19.11.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/523,572 19 November 2003 (19.11.2003) US
60/541,617 3 February 2004 (03.02.2004) US
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: METHODS AND REAGENTS FOR TREATING, PREVENTING AND DIAGNOSING *BUNYAVIRUS* INFECTION

DNA: AGTAGTGACTACCAAGTATAGATAACGTTTGAATATTAAAGTTTGAATC	51
DNA: AAAGCCAAGATGATTTGTATATTGGTGCTAATTACAGTTGCAGCTGCAAG	102
M(1): M I C I L V L I T V A A A S	
DNA: CCCAGTGATCAAGGTGTTCCAGATGGGGCTATAGTGAAGCAAAACCC	153
M(15): P V Y Q R C F Q D G A I V K Q N P	
DNA: ATCCAAAGAGCAGTTACAGAGGTGTGCGCTGAAGATGATGTTAGCATGAT	204
M(32): S K E A V T E V C L K D D V S M I	
DNA: CAAACAGAGGCCAGGTATGTAAGAAATGCAACAGGAGTTTTCAAATAA	255
M(49): K T E A R Y V R N A T G V F S N N	
DNA: TGTCCGAATAGGAAATGGCTAGTCTCTGATTCGCATGATTGCAGGCCATA	306
M(66): V A I R K W L V S D W H D C R P K	
DNA: GAAGATCGTTGGGGACACATCAATGTAATAGAAGTTGGTGATGACCTGTC	357
M(83): K I V G G R I N V I E V G D D L S	
DNA: ACTCCACTGAAATCATATGTTTGCAGCGCAGATTGTACCATAGGTGTAGA	408
M(100): L H T E S Y V C S A D C T I G V D	
DNA: CAAAGAGACTGCACAGGTGAGGCTTCAGACAGATACCACAAATCATTTTGA	459
M(117): K E T A Q V R L Q T D T T N R F E	
DNA: AATTGCAGGCTACTGTGAAGTCAGGATGGTCAAGAGCAGACATATAT	510
M(134): I A G T T V K S G W F K S T T Y I	
DNA: AACTCTTGATCAAACTTSCGAACACCTTAAGTTTCC TGGCGGCCAAATC	561
M(151): T L D Q T C E H L K V S C G P K S	
DNA: TGTACAGTTCCATGCTGCTCAATCAGCATATGCTCTGCGTCAGATTTT	612
M(168): V Q F H A C F N Q H M S C V R F L	
DNA: ACACAGGACATATTGCGCTGCTCTATAGCAATTCATATGTCAGAAAT	663
M(185): H R T I L F G S I A N S I C Q N I	
DNA: CGAAATCAATATTAGTTACACTTACTCTATTATCTTTATATTGTTAAG	714
M(202): E I I I L V T L T L L I F I L L S	
DNA: CATTTAAGTAAGACTTAAATATGTTATTTAATGCTATATTCATCC	765
M(219): I L S K T Y I C Y L L H E I F I P	
DNA: CATAGCATATATACGGTATAATTACAATAAGTCGTGCAAAATGCA	816
M(236): I A Y I Y G I I Y N K S C K K C K	
DNA: ATTATGTCGCTTAGTGATCATCATTCACAGAGTGTGGCACATTTGT	867
M(253): L C G L V Y H P F T E C G T H C V	
DNA: CTGTGGTCCCGCTATGATCTTCAGATAGTAAGAACTGCATAGAGCTTC	918
M(270): C G A R Y D T S D R M K L H R A S	
DNA: TGGATTGTGCCCTGGTTATAAAGCTAGAGCTGCCAGAGTCATGTGCAA	969
M(287): G L C P G Y K S L R A A R/VV M C K	

(57) Abstract: Immunogenic compositions for use in treating, preventing and diagnosing infection caused by the California (CAL) serotype of the genus *Bunyavirus*, such as La Crosse virus (LACV), are disclosed. Also described are reagents for use in diagnostic assays.



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

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